

ABSTRACT

A ballast water treatment system for removing contaminants from ballast water on a vessel. The ballast water treatment system may inject ballast water with one or more disinfectants or ionized gases, or both, to remove at least a portion of contaminants from the ballast water. The ballast water treatment system may produce disinfectants from saltwater using one or more disinfectant generators and return the byproducts to a water body. The ballast water treatment system may also produce ionized gases to be mixed with the ballast water. The ballast water may be disposed overboard after being treated.